

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2005/020091

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04B7/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| A | <p>US 6 501 955 B1 (DURRANT RANDOLPH L ET AL) 31 December 2002 (2002-12-31) abstract column 3, lines 13-26 column 4, line 61 - column 5, line 10 column 5, lines 30-35 column 5, lines 45-52 column 6, lines 17-26 column 9, lines 26-47 figures 2,3 claims</p> <p style="text-align: center;">----- -/-</p> | 1-34 |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

31 August 2005

Date of mailing of the international search report

07/09/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Dejonghe, O

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2005/020091

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| A | <p>US 2002/028655 A1 (ROSENER DOUGLAS K ET AL) 7 March 2002 (2002-03-07) abstract paragraph '0003! paragraph '0019! paragraph '0038! paragraphs '0041!, '0042! claims 52,56,57</p> | 1-34 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2005/020091

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|----|---------------------|----------------------------|---------------------|
| US 6501955 | B1 | 31-12-2002 | AU 6674701 A | 02-01-2002 |
| | | | CN 1437828 A | 20-08-2003 |
| | | | GB 2381705 A | 07-05-2003 |
| | | | JP 2004501585 T | 15-01-2004 |
| | | | WO 0199444 A1 | 27-12-2001 |
| | | | US 2002155838 A1 | 24-10-2002 |
| | | | US 2004097190 A1 | 20-05-2004 |
| US 2002028655 | A1 | 07-03-2002 | WO 02052753 A1 | 04-07-2002 |